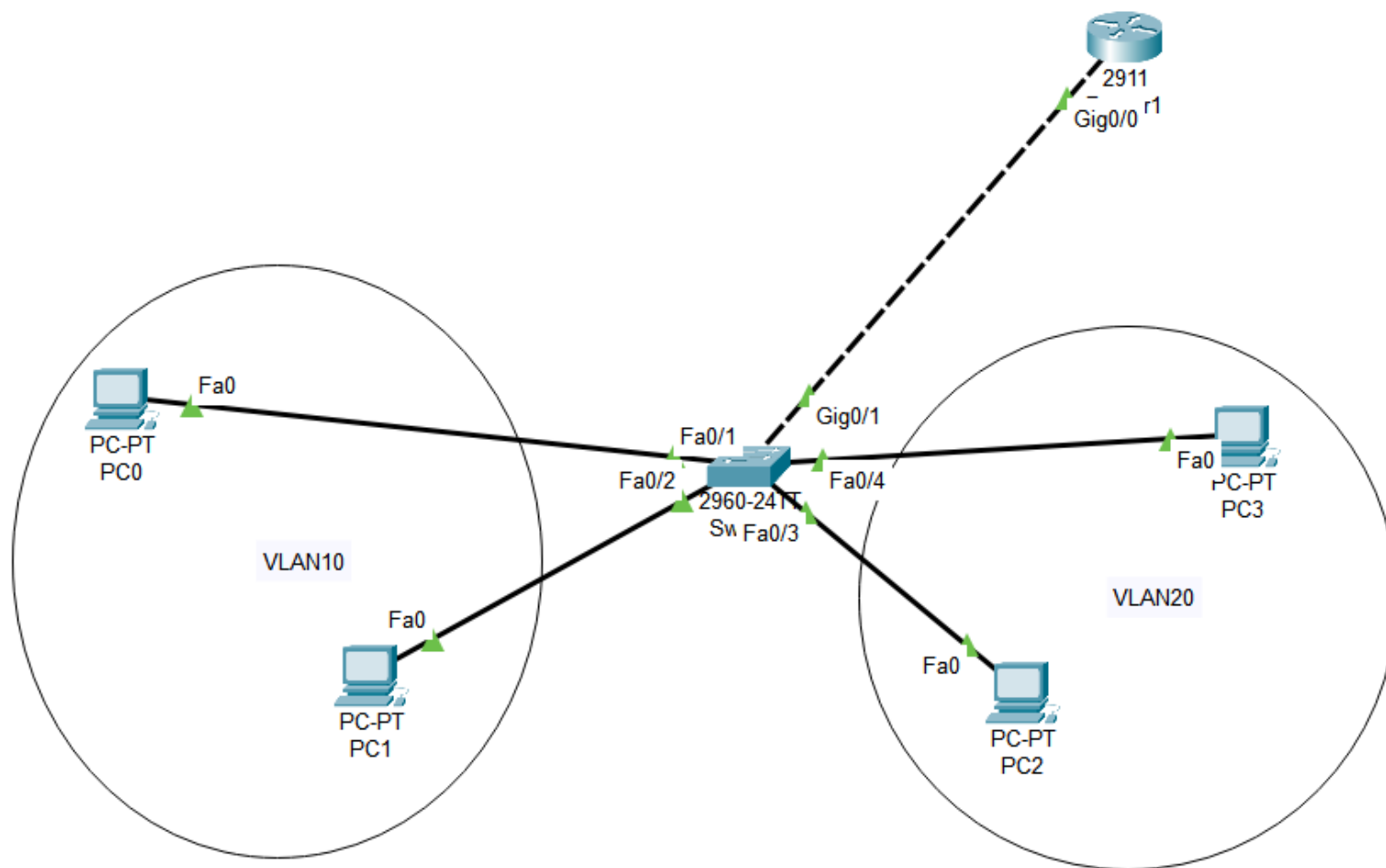


# Criação de VLAN-PT

## parte 2



# Modo Trunk

Switch1

Physical

Config

CLI

Attributes

IOS Command Line Interface

00

VLAN	Type	SAID	MTU	Parent	RingNo	BridgeNo	Stp	BrdgMode
Trans1	Trans2							
-----								
-----								

Remote SPAN VLANs

-----

-----

Primary	Secondary	Type	Ports
-----			
-----			

Switch#

Switch#config

Configuring from terminal, memory, or network [terminal]?

Enter configuration commands, one per line. End with CNTL/Z.

Switch(config)#interface gigabitethernet 0/1

Switch(config-if)#no shutdown

Switch(config-if)#switchport trunk

% Incomplete command.

Switch(config-if)#switchport mode trunk

Switch(config-if)#exit

Switch(config)#

Ctrl+F6 to exit CLI focus

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Switch1

Physical Config CLI Attributes

IOS Command Line Interface

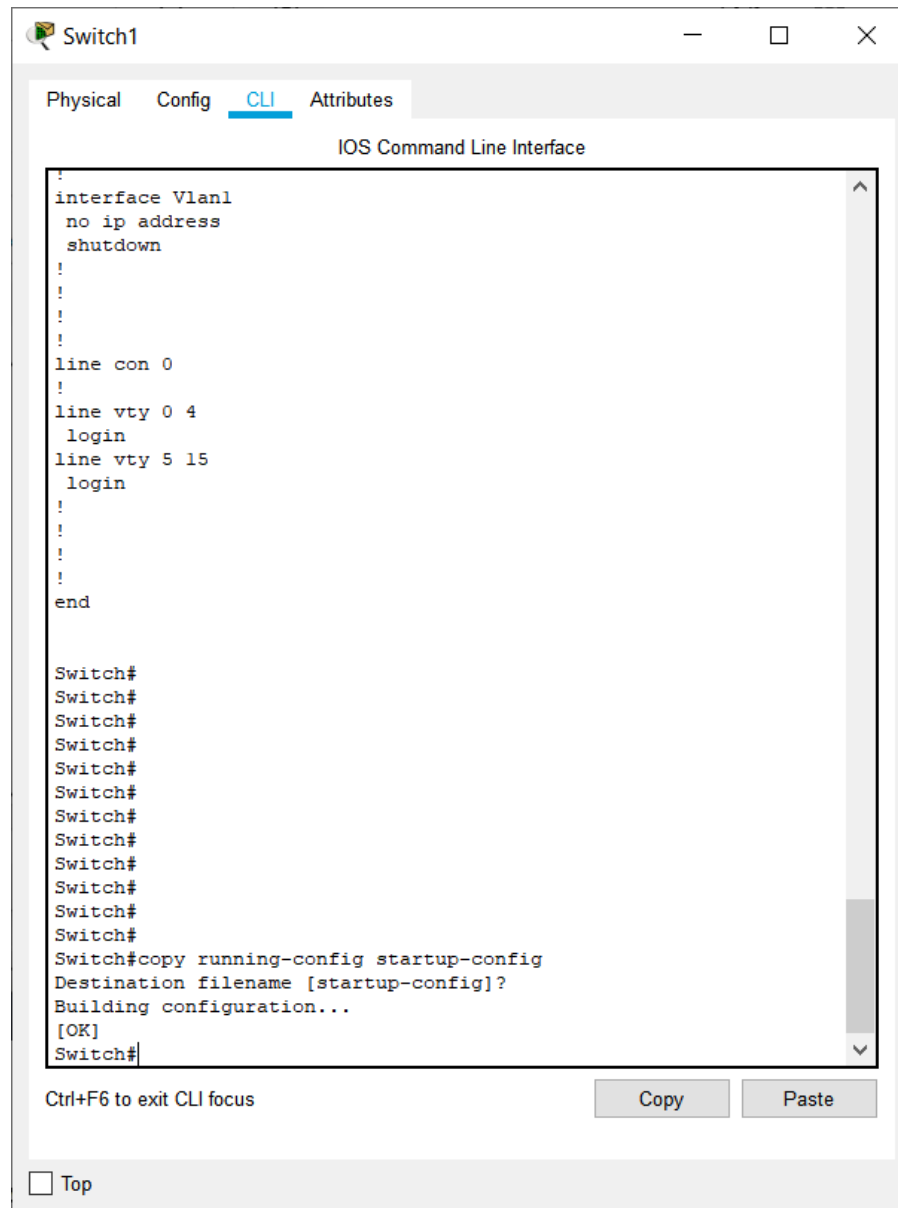
```
!
interface FastEthernet0/15
!
interface FastEthernet0/16
!
interface FastEthernet0/17
!
interface FastEthernet0/18
!
interface FastEthernet0/19
!
interface FastEthernet0/20
!
interface FastEthernet0/21
!
interface FastEthernet0/22
!
interface FastEthernet0/23
!
interface FastEthernet0/24
!
interface GigabitEthernet0/1
  switchport mode trunk
!
interface GigabitEthernet0/2
!
interface Vlan1
  no ip address
  shutdown
!
!
!
!
line con 0
!
line vty 0 4
  login
--More--
```

Ctrl+F6 to exit CLI focus

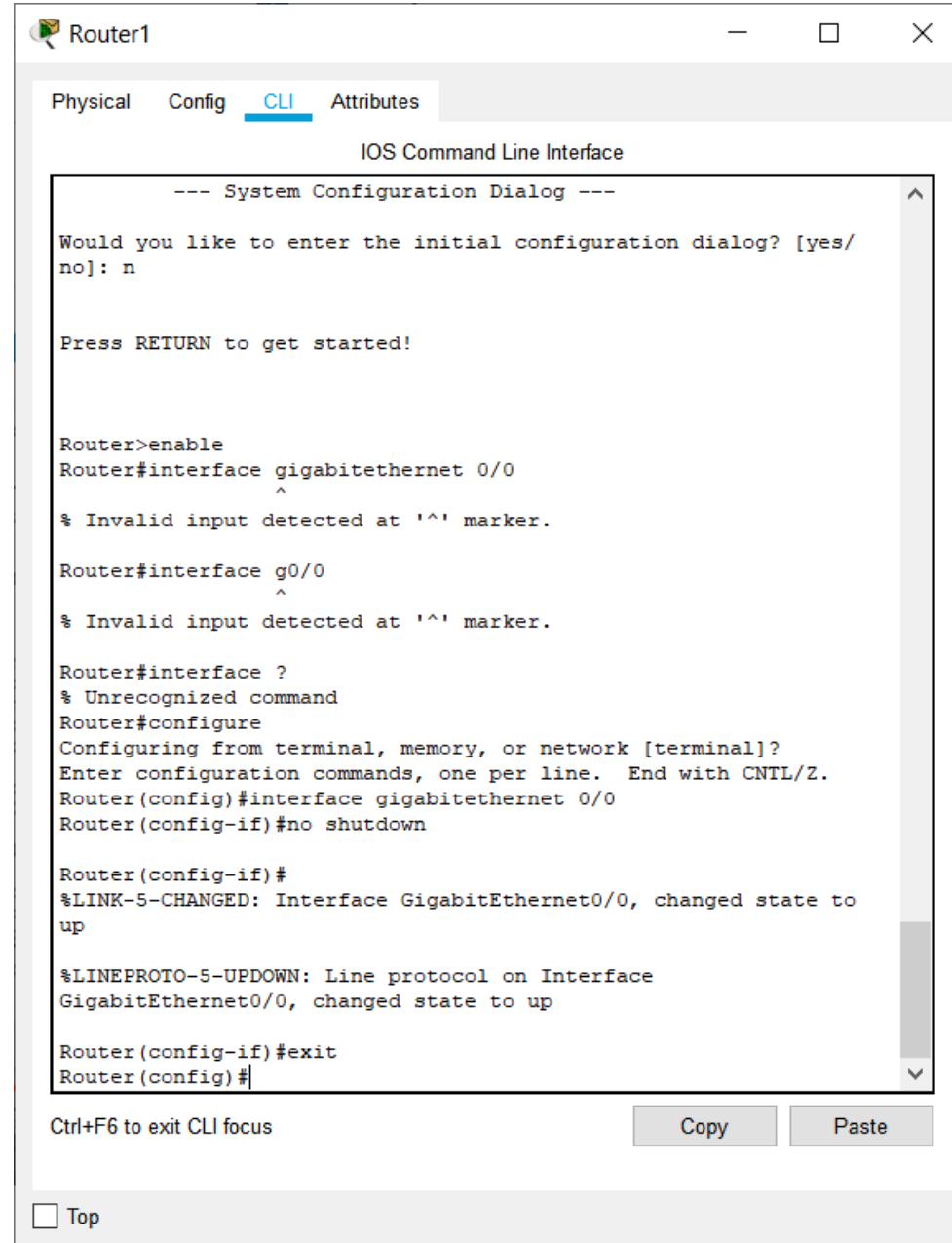
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# Config Router



```
Router1
Physical Config CLI Attributes
IOS Command Line Interface
--- System Configuration Dialog ---
Would you like to enter the initial configuration dialog? [yes/no]: n
Press RETURN to get started!
Router>enable
Router#interface gigabitethernet 0/0
      ^
% Invalid input detected at '^' marker.
Router#interface g0/0
      ^
% Invalid input detected at '^' marker.
Router#interface ?
% Unrecognized command
Router#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface gigabitethernet 0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-S-CHANGED: Interface GigabitEthernet0/0, changed state to up
%LINEPROTO-S-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up
Router(config-if)#exit
Router(config)#
```

Ctrl+F6 to exit CLI focus

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## IOS Command Line Interface

```
Router#interface ?
% Unrecognized command
Router#configure
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface gigabitethernet 0/0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to
up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/0, changed state to up

Router(config-if)#exit
Router(config)#interface gigabitethernet 0/0.10
Router(config-subif)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0.10, changed state
to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/0.10, changed state to up

Router(config-subif)#ip address 192.168.10.1 255.255.255.0

% Configuring IP routing on a LAN subinterface is only allowed if
that
subinterface is already configured as part of an IEEE 802.1Q,
IEEE 802.1Q,
or ISL vLAN.

Router(config-subif)#encapsulation dot1Q 10
Router(config-subif)#ip address 192.168.10.1 255.255.255.0
Router(config-subif)#
```

Ctrl+F6 to exit CLI focus

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## IOS Command Line Interface

```
up
%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/0, changed state to up

Router(config-if)#exit
Router(config)#interface gigabitethernet 0/0.10
Router(config-subif)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0.10, changed state
to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/0.10, changed state to up

Router(config-subif)#ip address 192.168.10.1 255.255.255.0

% Configuring IP routing on a LAN subinterface is only allowed if
that
subinterface is already configured as part of an IEEE 802.10,
IEEE 802.1Q,
or ISL VLAN.

Router(config-subif)#encapsulation dot1Q 10
Router(config-subif)#ip address 192.168.10.1 255.255.255.0
Router(config-subif)#exit
Router(config)#interface gigabitethernet 0/0.20
Router(config-subif)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0.20, changed state
to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface
GigabitEthernet0/0.20, changed state to up

Router(config-subif)#encapsulation dot1Q 20
Router(config-subif)#ip address 192.168.20.1 255.255.255.0
Router(config-subif)#exit
Router(config)#no shutdown
```

Ctrl+F6 to exit CLI focus

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## IOS Command Line Interface

```
Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#show run
Building configuration...

Current configuration : 878 bytes
!
version 15.1
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Router
!
!
!
!
!
!
!
no ip cef
no ipv6 cef
!
!
!
!
!
license udi pid CISCO2911/K9 sn FTX1524329K-
!
!
!
```

Ctrl+F6 to exit CLI focus

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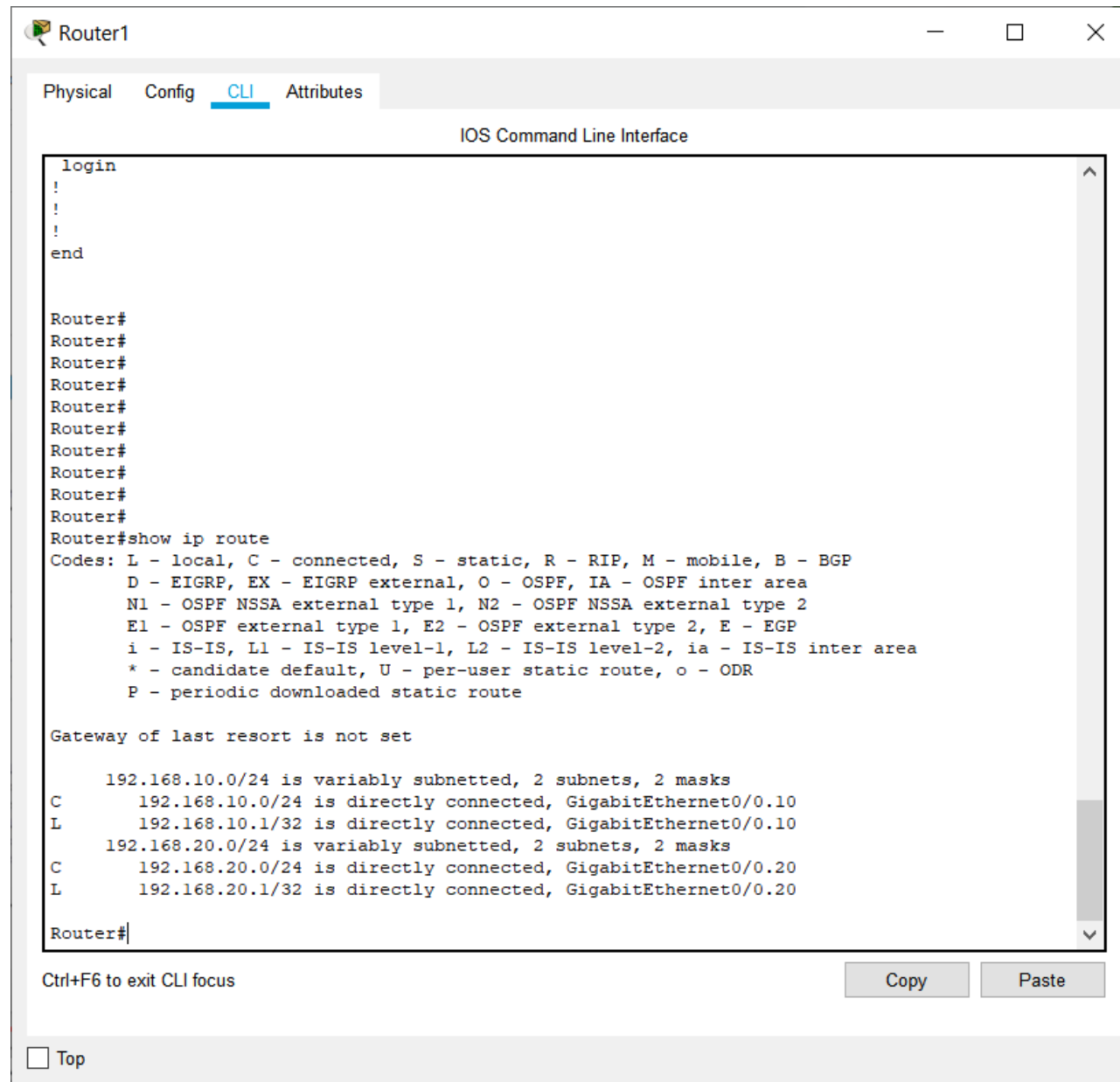
## IOS Command Line Interface

```
!  
!  
!  
spanning-tree mode pvst  
!  
!  
!  
!  
!  
interface GigabitEthernet0/0  
no ip address  
duplex auto  
speed auto  
!  
interface GigabitEthernet0/0.10  
encapsulation dot1Q 10  
ip address 192.168.10.1 255.255.255.0  
!  
interface GigabitEthernet0/0.20  
encapsulation dot1Q 20  
ip address 192.168.20.1 255.255.255.0  
!  
interface GigabitEthernet0/1  
no ip address  
duplex auto  
speed auto  
shutdown  
!  
interface GigabitEthernet0/2  
no ip address  
duplex auto  
speed auto  
shutdown  
!  
--More--
```

Ctrl+F6 to exit CLI focus

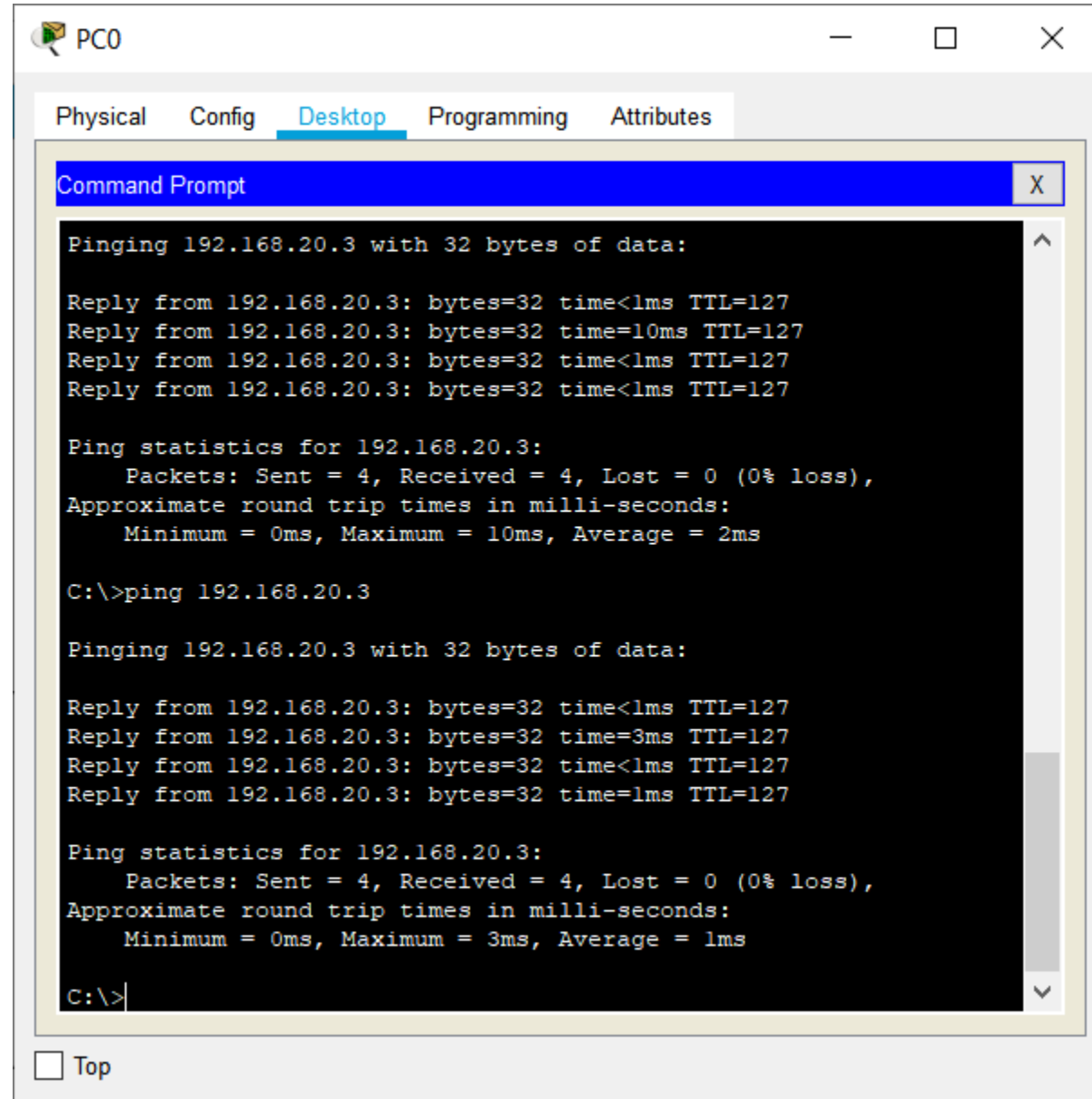
Copy

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# Testes: ping

## PC0->PC3



The screenshot shows a window titled "PC0" with tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The "Desktop" tab is active, displaying a "Command Prompt" window. The Command Prompt shows the results of a ping test to 192.168.20.3. The first test shows four successful replies with times less than 1ms and a TTL of 127. The statistics show 4 packets sent, 4 received, 0 lost, and an average round trip time of 2ms. The second test, initiated by the command "C:\>ping 192.168.20.3", also shows four successful replies, but with times less than 3ms and an average round trip time of 1ms. The Command Prompt prompt is "C:\>".

```
Pinging 192.168.20.3 with 32 bytes of data:

Reply from 192.168.20.3: bytes=32 time<1ms TTL=127
Reply from 192.168.20.3: bytes=32 time=10ms TTL=127
Reply from 192.168.20.3: bytes=32 time<1ms TTL=127
Reply from 192.168.20.3: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.20.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 10ms, Average = 2ms

C:\>ping 192.168.20.3

Pinging 192.168.20.3 with 32 bytes of data:

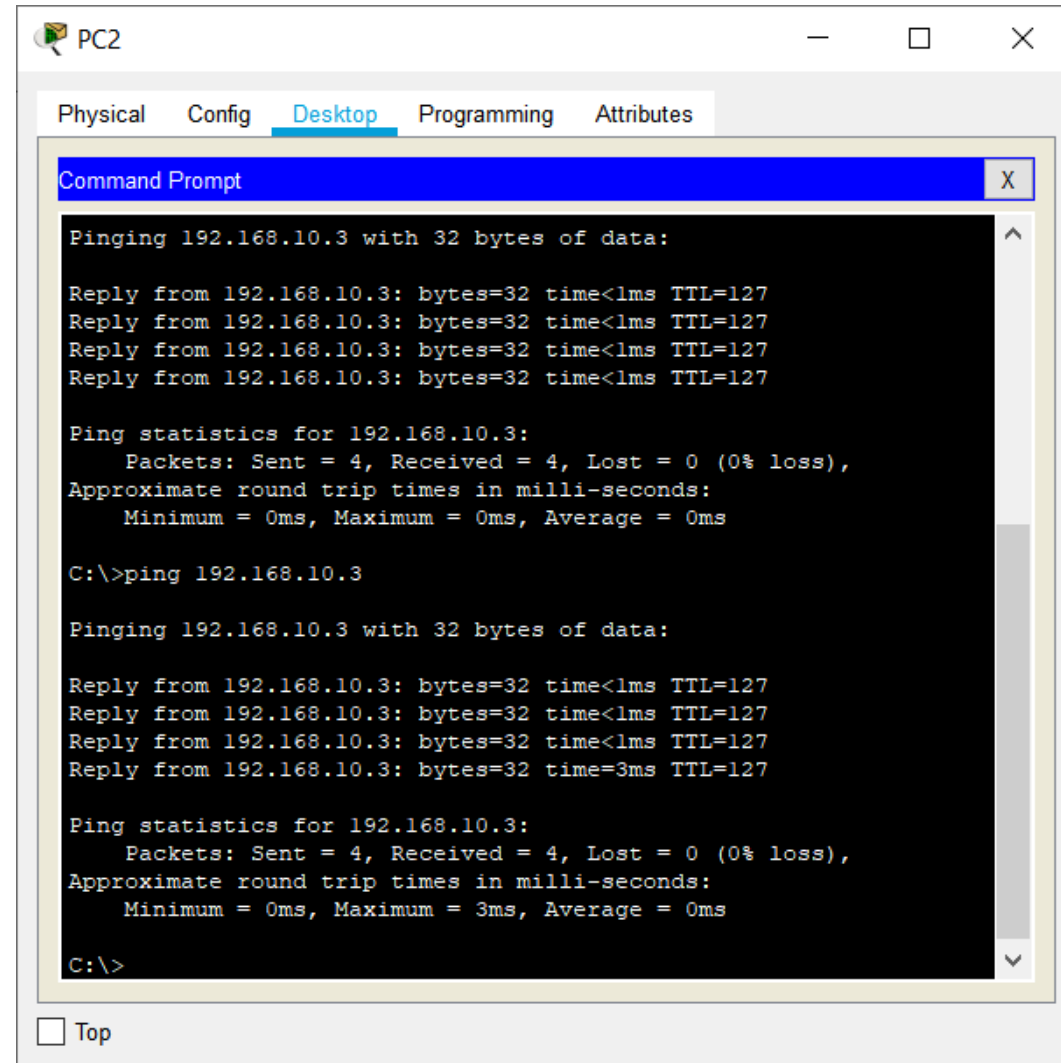
Reply from 192.168.20.3: bytes=32 time<1ms TTL=127
Reply from 192.168.20.3: bytes=32 time=3ms TTL=127
Reply from 192.168.20.3: bytes=32 time<1ms TTL=127
Reply from 192.168.20.3: bytes=32 time=1ms TTL=127

Ping statistics for 192.168.20.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 1ms

C:\>
```

# Testes: ping

## PC3->PC0



The screenshot shows a window titled "PC2" with tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The "Desktop" tab is active, displaying a "Command Prompt" window. The Command Prompt shows the results of a ping command to 192.168.10.3. The first ping shows four successful replies with 0ms round trip times. The second ping shows four successful replies, with the last one taking 3ms. Both pings show 0% packet loss.

```
Pinging 192.168.10.3 with 32 bytes of data:

Reply from 192.168.10.3: bytes=32 time<1ms TTL=127
Reply from 192.168.10.3: bytes=32 time<1ms TTL=127
Reply from 192.168.10.3: bytes=32 time<1ms TTL=127
Reply from 192.168.10.3: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.10.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.10.3

Pinging 192.168.10.3 with 32 bytes of data:

Reply from 192.168.10.3: bytes=32 time<1ms TTL=127
Reply from 192.168.10.3: bytes=32 time<1ms TTL=127
Reply from 192.168.10.3: bytes=32 time<1ms TTL=127
Reply from 192.168.10.3: bytes=32 time=3ms TTL=127

Ping statistics for 192.168.10.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 0ms

C:\>
```

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